

**FULL SOUND ENHANCEMENT USING MULTI-INPUT SOUND  
SIGNALS**

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**ABSTRACT OF THE DISCLOSURE**

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Input sound signals are accepted for presentation to a plurality of speakers where the number of physically present speakers is less than the number of input sound signals. The accepted signals are expanded and summed in a manner such that a listener perceives sounds as coming from the same number of speakers as there are input signals while having less speakers actually operational. In one embodiment there is shown a five input system having only two speakers. The system is functional when the inputs are stereo or monaural and when there are all five speakers available.

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